
Power supply installation

QSY22

The Message Waiting power supply is installed according to the steps defined in **Procedure 1**. The QSY22 Message Waiting power supply supersedes the QSY19 and can be mounted in any of the following cabinets:

- QCA8
- QCA23
- QCA28
- QCA37

The unit is mounted between the uprights immediately below the TBC (**Figure 1**). To facilitate the installation of the Message Waiting power supply, you may have to move the TBC up. If you have to move the TBC do it before you start the steps of **Procedure 1**.

Note: The QSY22 includes the cables required for the –48 and –150 V power leads. The cabinet wiring harness may or may not contain a P14 plug, depending on whether or not PE is provided in the cabinet.

Procedure 1

Installing the QSY22 Message Waiting Power Supply

- 1 Set the input switch on the QSY22 power unit to OFF.
- 2 Remove the two flat-head screws securing the plastic shield over TB1 of the QSY22 unit.
- 3 Disconnect the lead assembly supplied with the QSY22 unit.
- 4 Position the QSY22 unit in the cabinet, and secure it with four mounting screws (Figure 1).
- 5 Connect the BLACK lead (with two lugs) between the TB1 terminal 3 of the QSY22 unit and the ground bus in the center of the cabinet.
- 6 Connect the other BLACK lead (lug end) to the TB1 terminal 2 of the QSY22 unit and the ground terminal (1) of the TBC.
- 7 If the Message Waiting shelves and harness are provided in this cabinet, connect the P14 connector of the cabinet harness to connector P14 of the QSY22 unit.
- 8 Connect the RED lead (lug end) to the TB1 terminal 1 of the QSY22 unit and the other end to the -48 V terminal (3) of the TBC.

CAUTION

Electrical Hazard

This is a LIVE connection. Be careful when making this connection. Also, a short to ground could cause a complete loss of power to this cabinet.

- 9 Set the INPUT switch of the QSY22 to ON.
- 10 Test for -150 V at TB1 terminal 4.
- 11 If a QBL16 Distribution Box is to be provided in a companion QCA7 cabinet, perform the steps of Procedure 2, then return to Step 12 of this chart.
- 12 Secure the plastic shield in place over TB1 with two flat-head screws.

QBL16

The QBL16 Message Waiting Power Distribution Box is installed by following the steps in **Procedure 2**. This unit is mounted in the QCA7 companion cabinet next to the cabinet containing a QSY22 or QSY19, and in the same relative location within the cabinet as the QSY22/QSY19.

Procedure 2

Installing the QBL16 Message Waiting Distribution Box

- 1** Position the QBL16 unit in the QCA7 cabinet, and secure it with four mounting screws.
- 2** Remove the –150 V dc output fuse from the QSY22/QSY19 Power Supply (F8, 1.33 A).
- 3** Run the QCAD2 power cable between the QSY22 (or QSY19) Power Supply and the QBL16 Distribution Box.
- 4** Connect one end of the QCAD2 cable to the terminal on the QBL16 (**Figure 5**).
- 5** Connect the other end to the terminal TB1-4 of the QSY22 Power Supply (**Figure 1**). In the case of the QSY19 Power Supply, connect it to terminal TB1-3 (**Figure 3**).
- 6** Connect the P14 plug from the QCA7 wiring harness to the P14 socket on the QBL16.
- 7** On the QSY22/QSY19 Power Unit, replace the –150 V dc output fuse.
- 8** Test for –150 V dc at TB1 of the QBL16 Power Distribution Box.